

Fig. 1

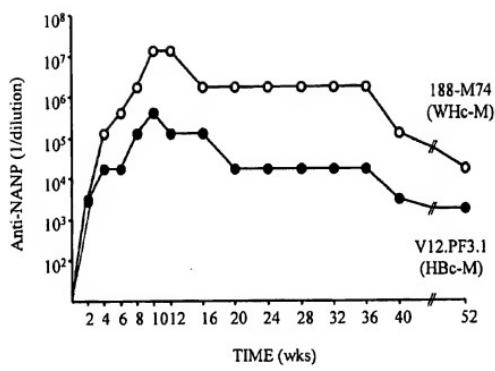
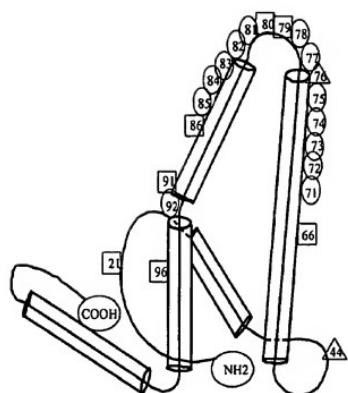


Fig. 2



○ tolerant
 △ intermediate
 □ intolerant

Fig. 3



Fig. 4

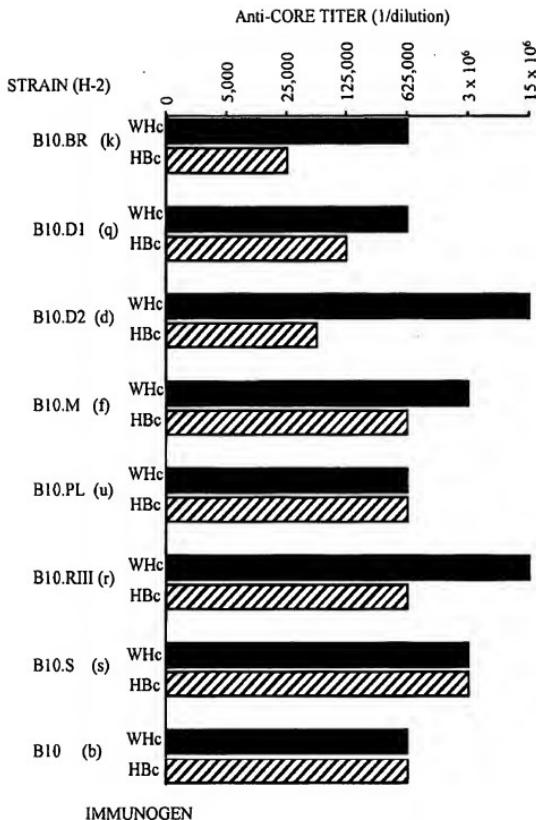


Fig. 5

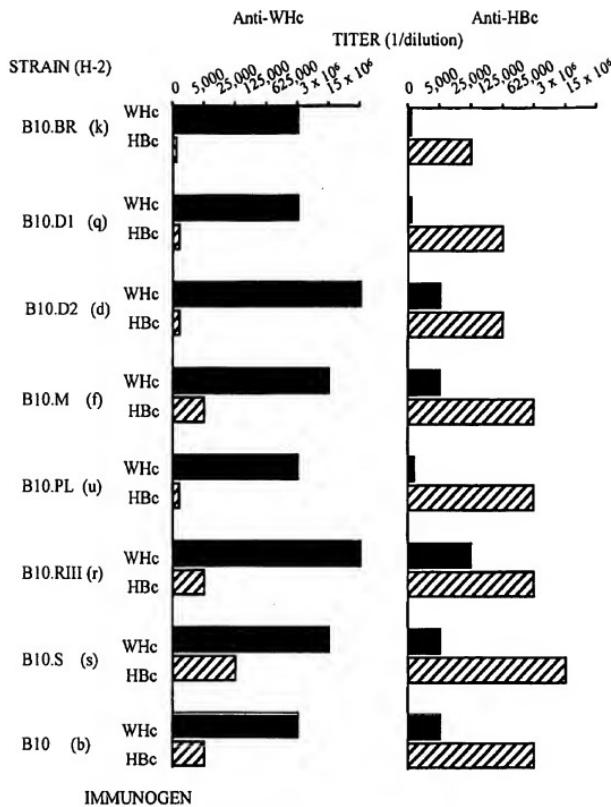


Fig. 6

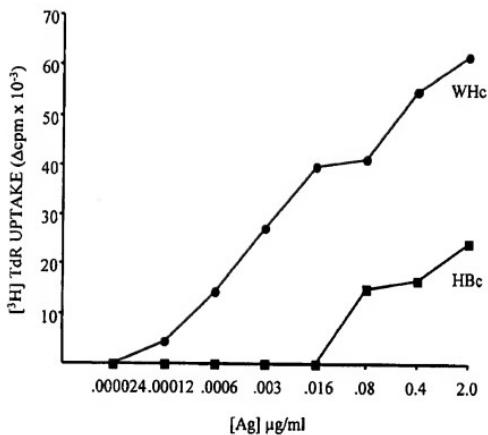


Fig. 7

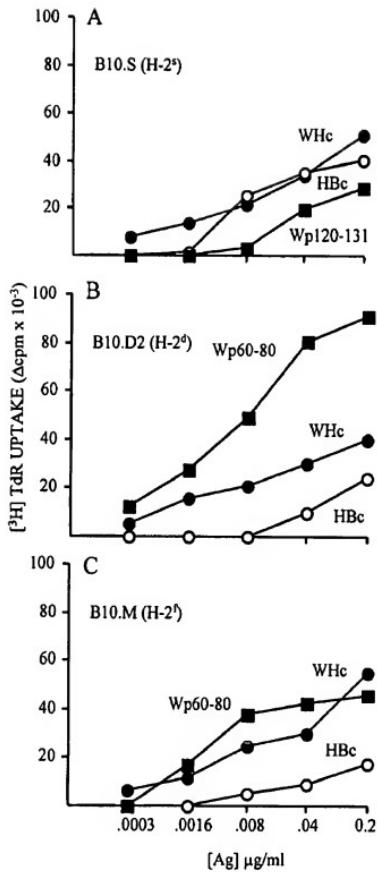


Fig. 8

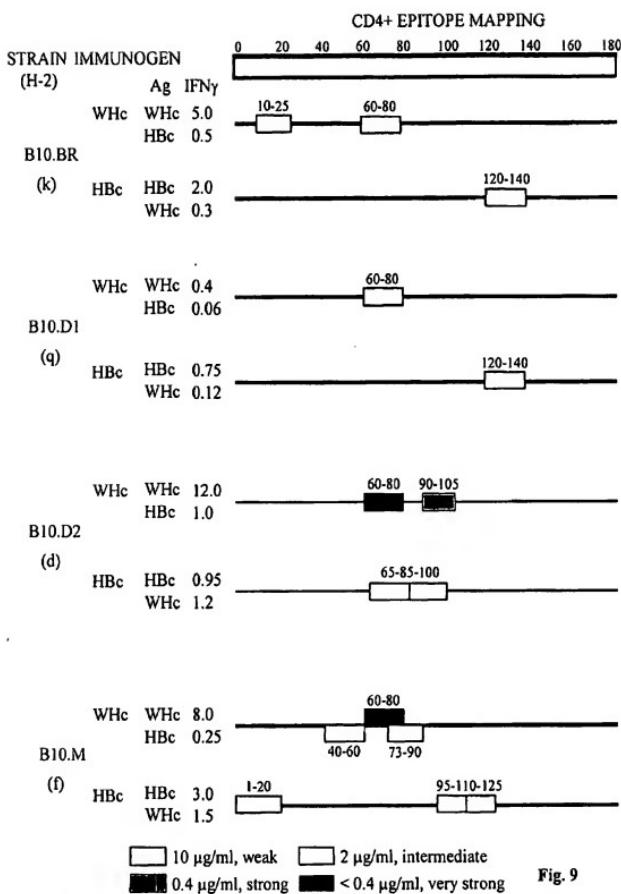


Fig. 9

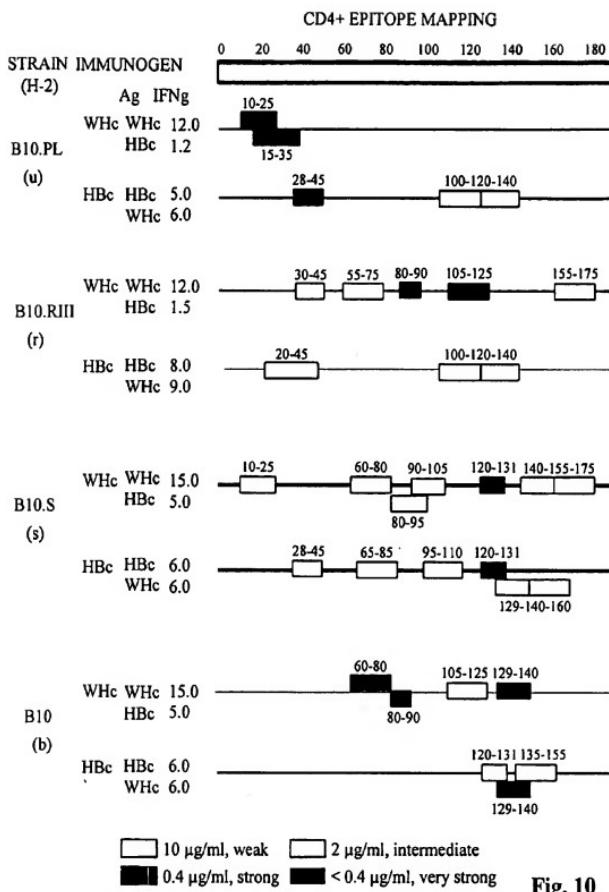


Fig. 10

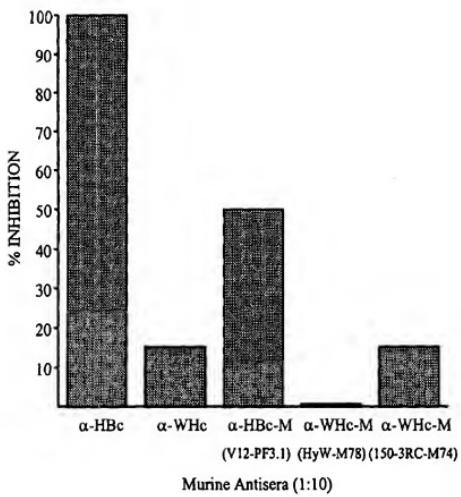


Fig. 11

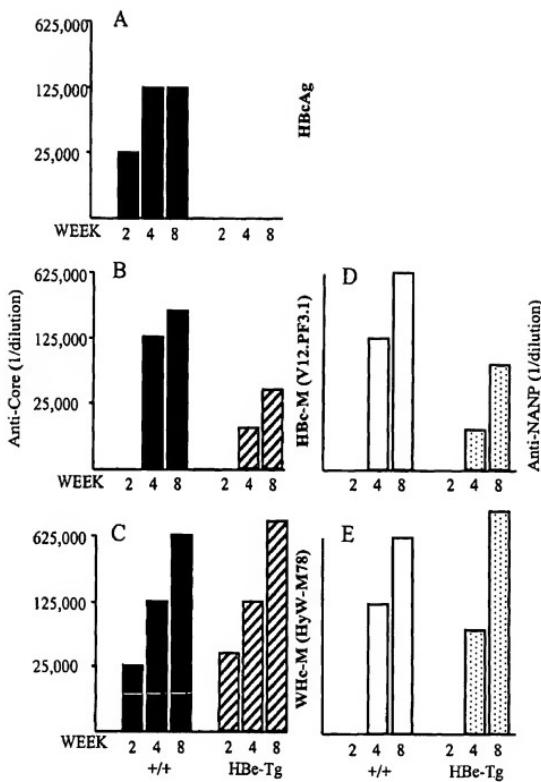


Fig. 12

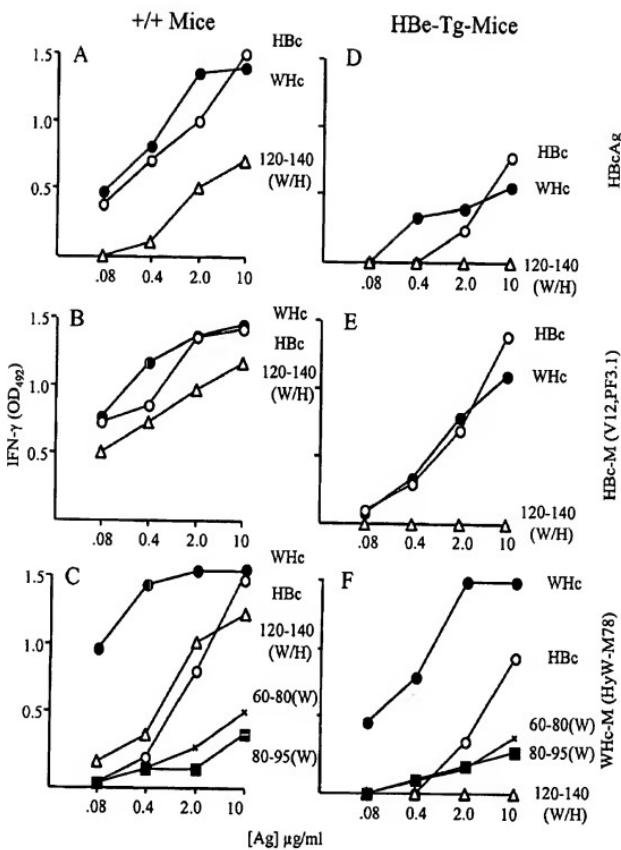


Fig. 13

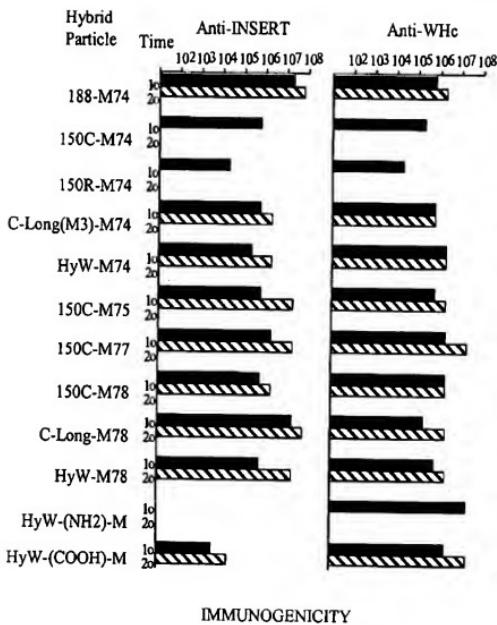


Fig. 14

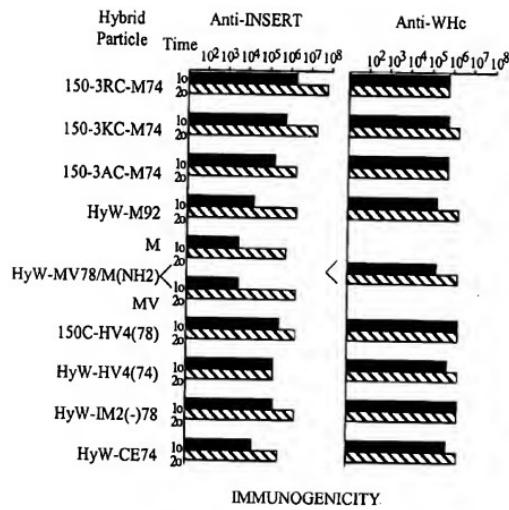


Fig. 15

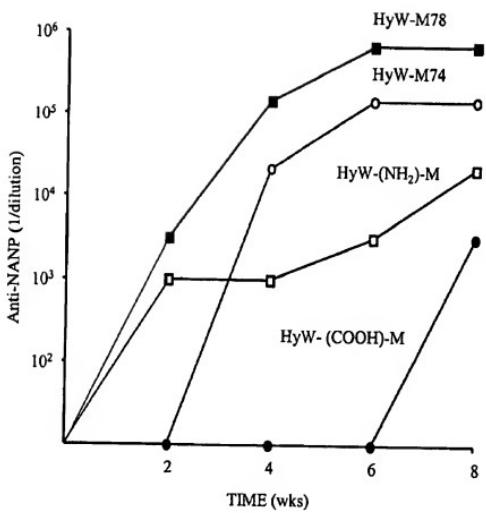


Fig. 16

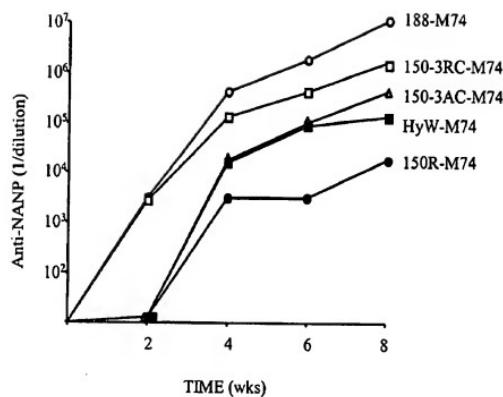


Fig. 17

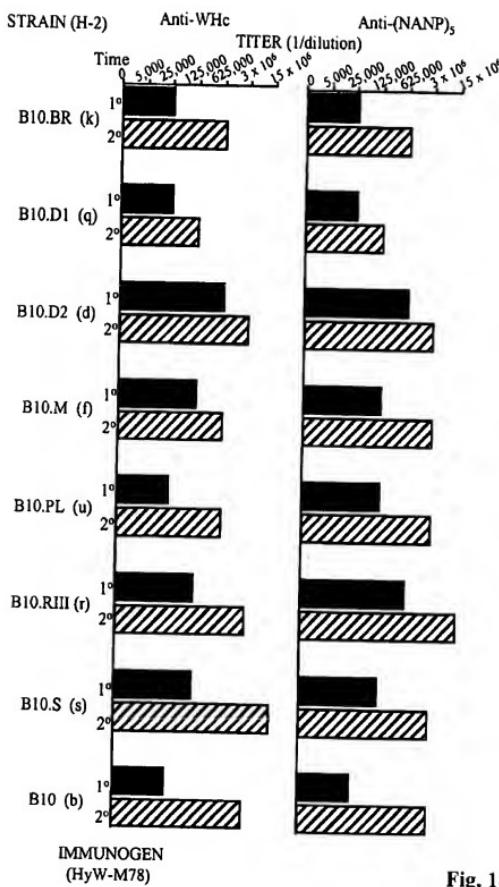


Fig. 18

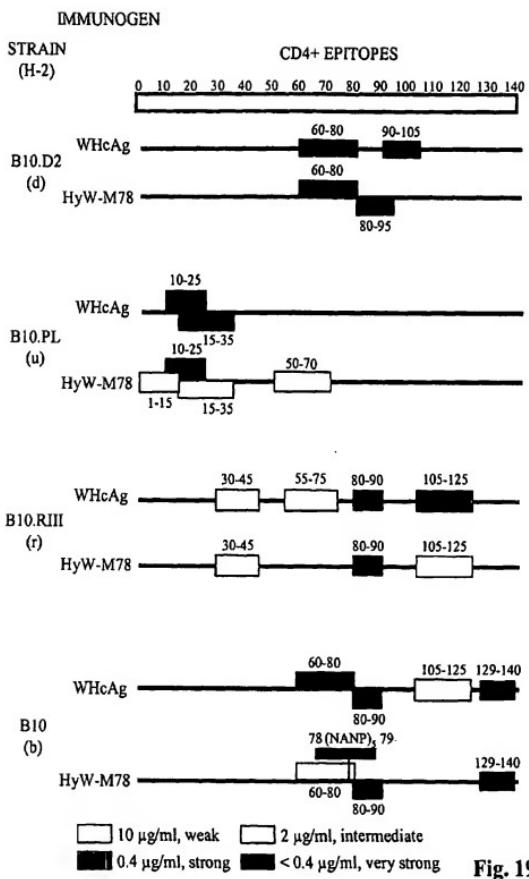


Fig. 19

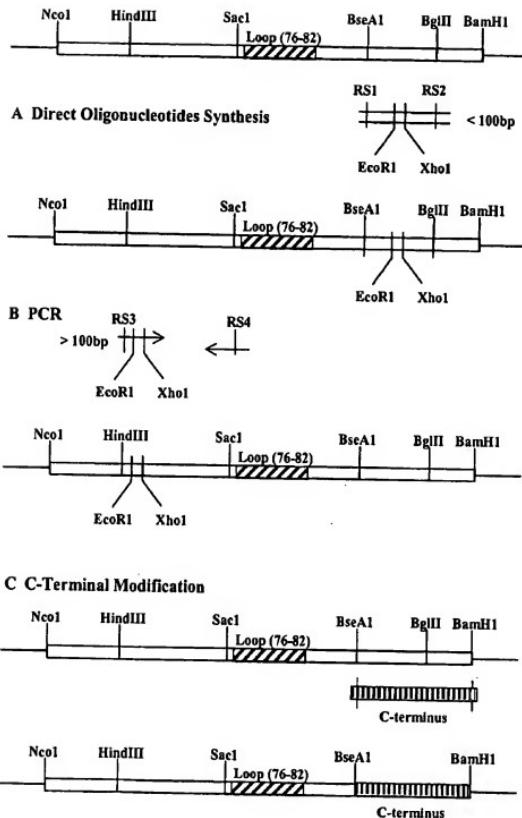


Fig. 20

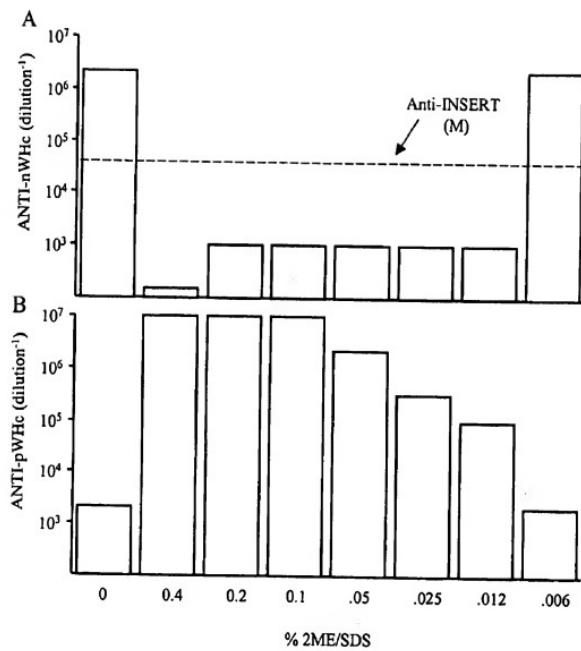


Fig. 21

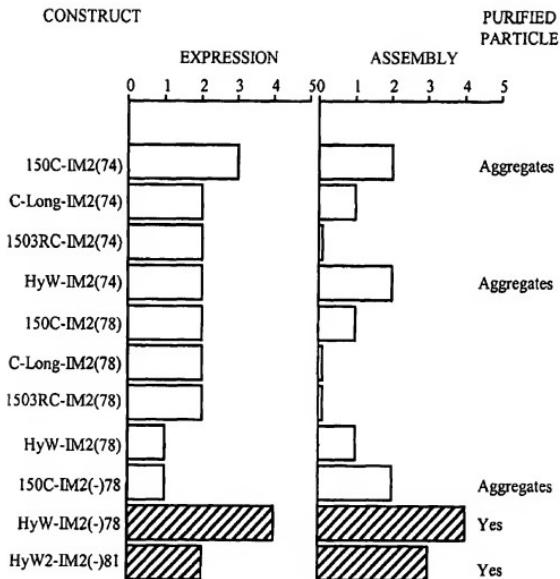


Fig. 22

	Wt M2e M S L L T E V E T P I R N E W G	C	R	C	N	D	S	S	D	mAb 14C2	Polyclonal Anti-HyW-IM2(-)78
P1	- - - - - - - - - - - - - - - - - -									51200	625000
P2	- - - - - A - - - - - - - - - - - -									25600	125000
P3	- - - - - - A - - - - - - - - - - - -									12800	125000
P4	- - - - - - - - - - - - - - - - - -									25600	3×10^6
P5	- - - - - - - - - - - - - - - - - -									6400	625000
P6	- - - - - - - - - - - - - - - - - -									1600	625000
P7	- - - - - - - - - - - A - - - - - -									12800	3×10^6
P8	- - - - - - - - - - - - - A - - - - -									25600	625000
P9	- - - - - - - - - - - A - A - - - -									102400	3×10^6
Core-IM2(-) Particle										625000	15×10
Core-M78 Particle										0	-
										(Dilution=0.5 OD ₄₉₂)	(1/Dilution)

Fig. 23

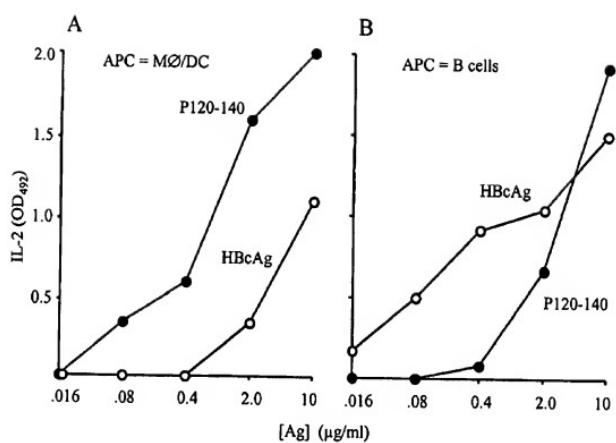


Fig. 24

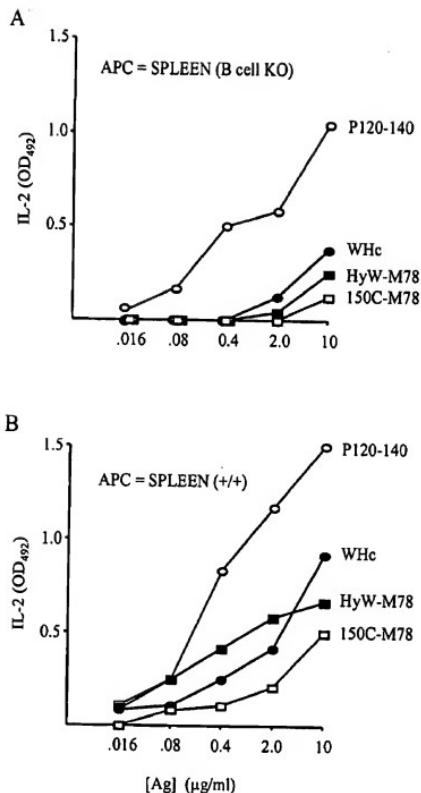


Fig. 25

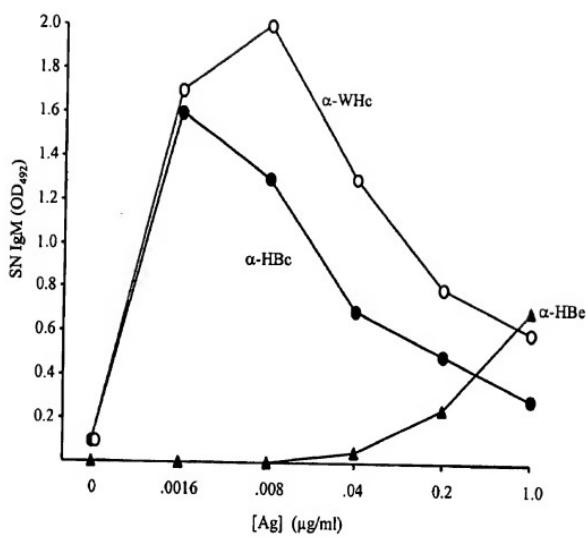


Fig. 26

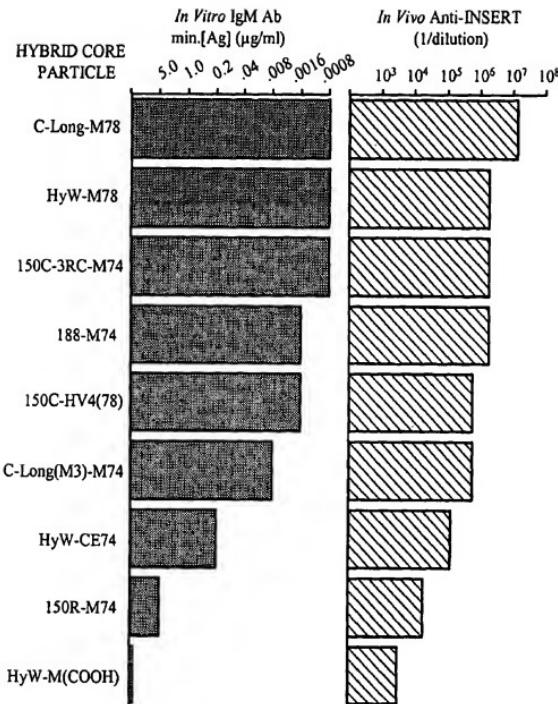


Fig. 27

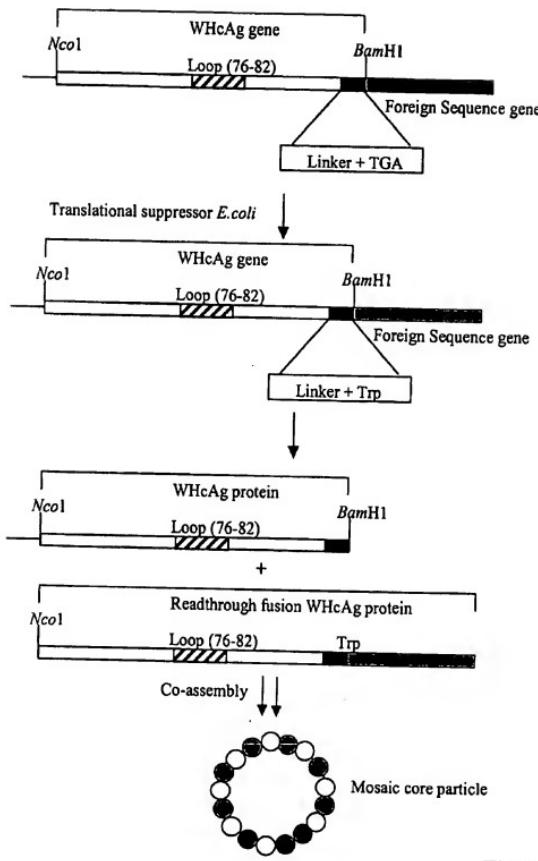


Fig. 28

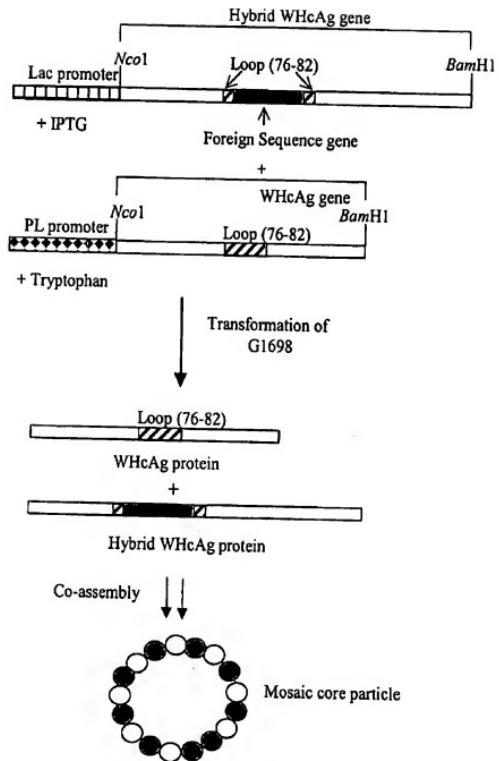


Fig. 29

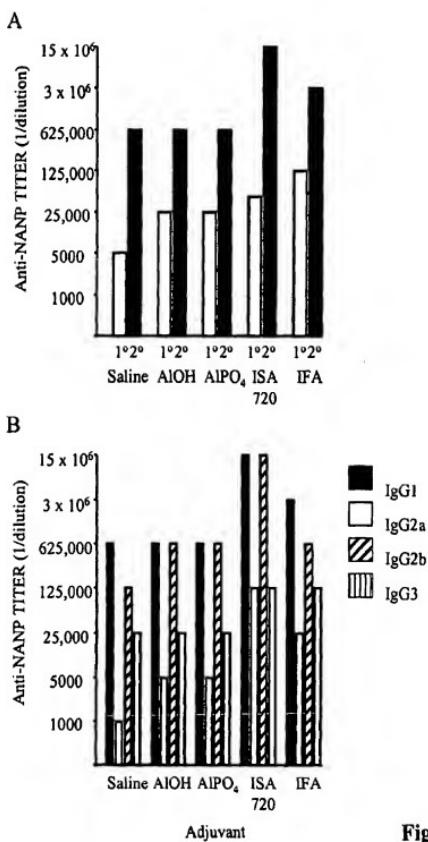


Fig. 30

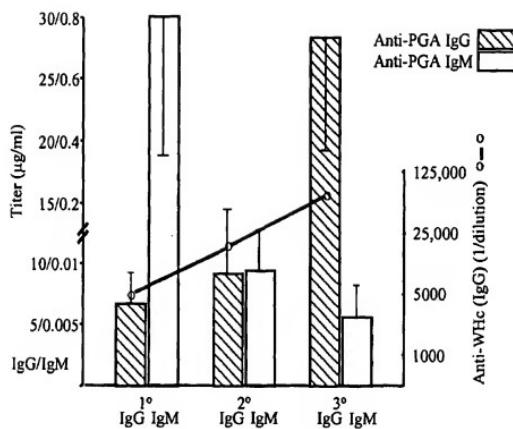


Fig. 31

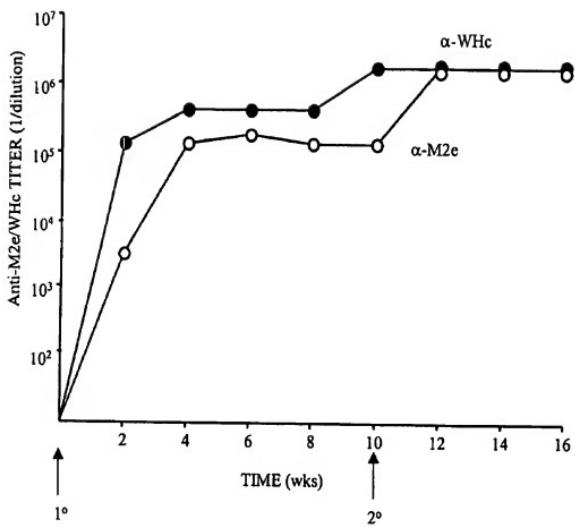


Fig. 32

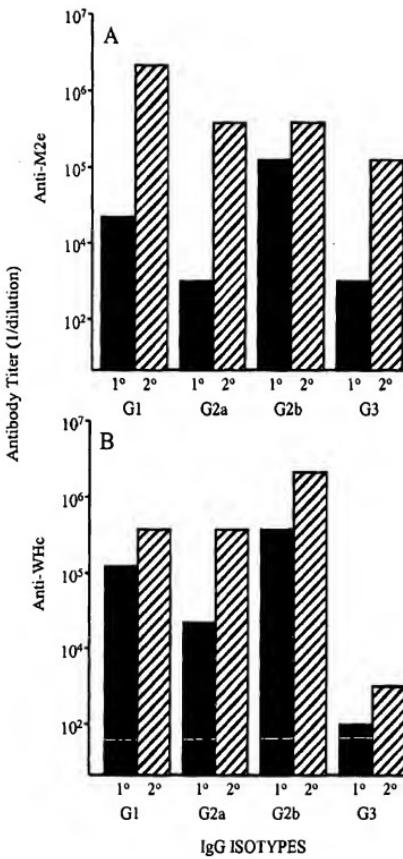


Fig. 33

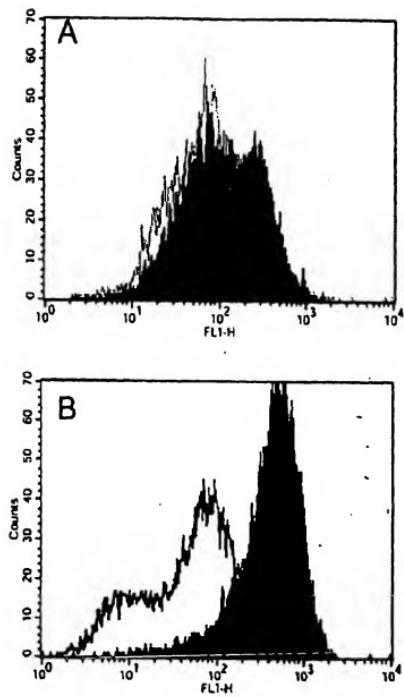


Fig. 34

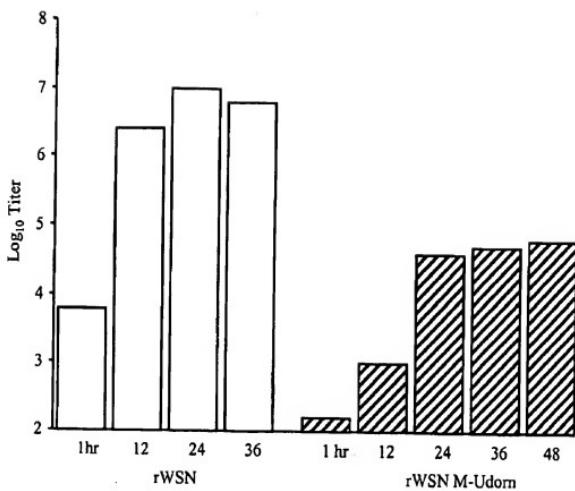


Fig. 35

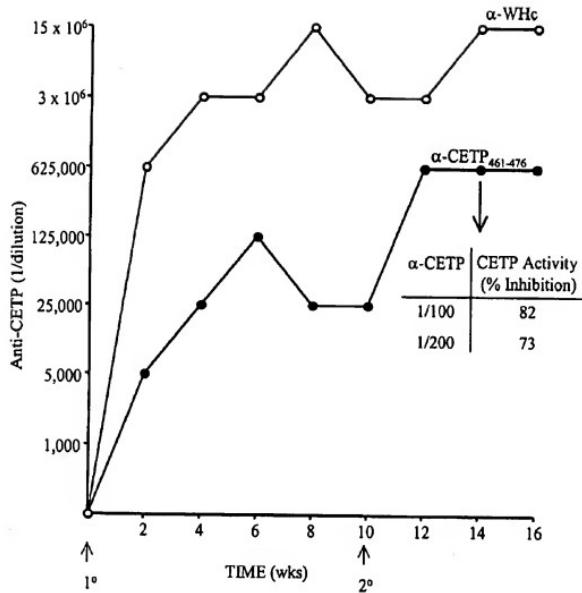


Fig. 36

STRAIN

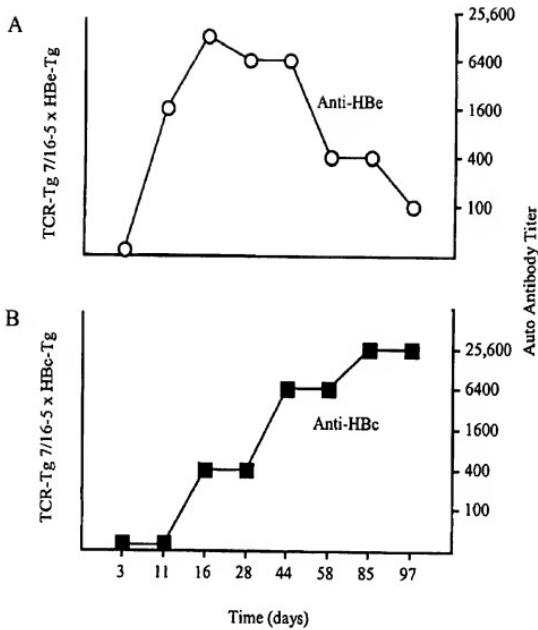


Fig. 37

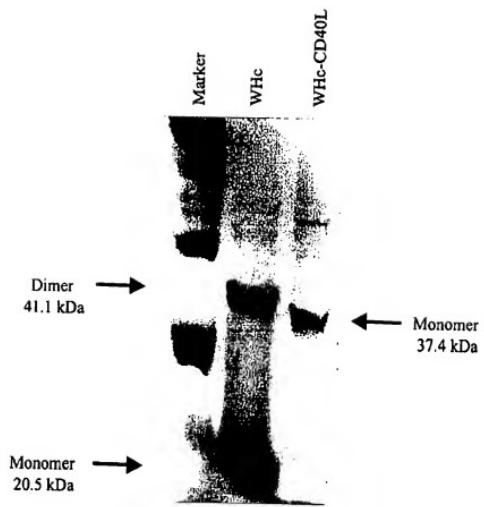


Fig. 38

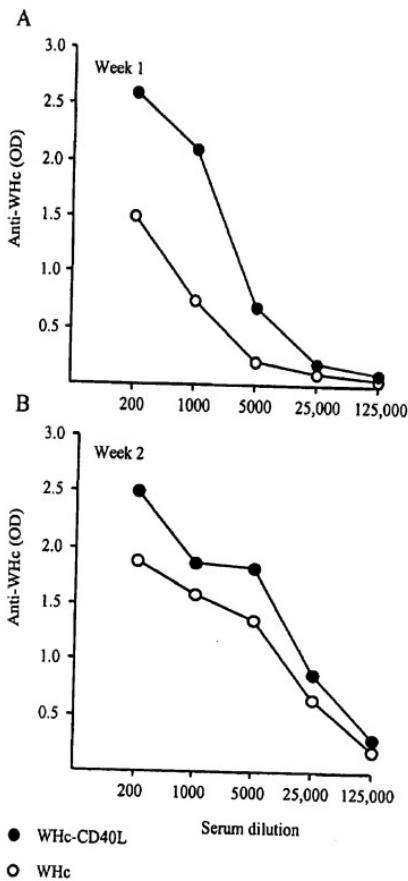


Fig. 39

Fig. 40

A Wild Type WHcAg DNA (SEQ ID NO:37)

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TTGGACTCTTCTGACCTTAATGCTTGGTGGACACTGCCTACTGCCTTGATGAAG
AAGACCTAACAGGTAGGGAAACATTGCTCTCGCACCATACAGCTTATTAGACAAGCTTTA
GTATGCTGGGATGAATTAACTAAATTGATAGCTTGGATGAGCTCTAACATAACTTCTGA
ACAAGTAAGAACATCATGTTAAATCATGTCATGATACCTGGGACTTAAGGTGAGAC
AAAGTTTATGGTTTCAATTGTCATGTCACTTCCGACAACATACAGTTCAAGAATIT
TTAGTAAGTTGGAGTAGGATCAGGACTCCAGCTCCATATAGACCTCTTAATGCACC
CATTCTCGACTCTCCGGAAACATACAGTCATTAGGAGAAGAGGAGGTGCAAGAGCTT
CTAGTCCCCCAGAAGACGCACTCCCTCCTCGCAGGAGAAGATCTCAATCACCGCGT
CGCAGACGCTCTCAATCTCCATCTGCCACTGCTGA

B Wild Type WHcAg (SEQ ID NO:1)

MDIDPYKEFGSSYQLLNFLPLDFPPDLNALVDTATALYEEELTGREHCSPHHTAIRQAL
VCWDELTKLIAWMSSNITSEQVRTIIVNHNNDTWGLKVRQSLWFHLSCLTFQHVTQEF
LVSPGVWIRTPAPYRPPNAPILSTLPETHTVIRRRGGARASRSPPRRTPSPRRRSQSPR
RRRSQSPSANC

C Truncated WHcAg (SEQ ID NO:38)

MDIDPYKEFGSSYQLLNFLPLDFPPDLNALVDTATALYEEELTGREHCSPHHTAIRQAL
VCWDELTKLIAWMSSNITSEQVRTIIVNHNNDTWGLKVRQSLWFHLSCLTFQHVTQEF
LVSPGVWIRTPAPYRPPNAPILSTLPETHTVI

Fig. 41

A Wild Type GSHcAg DNA (SEQ ID NO:39)

ATGGACATAGATCCCTATAAAGAATTGGTTCTCTTATCAGTTGTTGAATTTCCTTCC
TTGGACTTTTCCTGATCTCAATGCATTGGTGACACTGCTGCTCTTATGAAG
AAGATAACAGGTAGGGAGCATTTGTTCTCTCATCATACTGCTATTAGACAGGCCCTA
GTGTTGGAAAGATTAACTAGATTAAATCATGGATGAGTGAAAATACAACAGAAGA
AGTTAGAAGAATTATTGTTGATCATGCAATAATACTTGGGACTTAAAGTAAGACAGA
CTTTATGGTTTCAATTATCATGCTTACTTTGGAAACACACAGTTCAAGAATTITG
GTTAGTTGGAGTTGGATTAGAACCTCAGCTCTTATAGACCCACTAATGCACCCAT
TTTATCAACTCTCCGGAAACATACAGTCATTAGGAGAAGAGGAGGTCAAGAGCTGCTA
GGTCCCCCGAAGACGCACTCCCTCTCGCAGGAGAAGGTCTCAATCACCGCGTCGC
AGACGCTCTCAATCTCAGCTTCCAATGCTGA

B Wild Type GSHcAg (SEQ ID NO:21)

MDIDPYKEFGSSYQLLNFLPLDFFPDNLNALVDAAALYEELTGREHCSPHHTAIRQAL
VCWEELTRLITWMSENTTEEVRRRIIVDHVNNTWGLKVRQTLWFHLSCLTFGQHTVQEFL
VSFGWIRTPAPYRPPNAPILSTLPEHTVIRRGGSRAARSPRRRTSPRRRSQSPRR
RRSQSPASNC

C Truncated GSHcAg (SEQ ID NO:40)

MDIDPYKEFGSSYQLLNFLPLDFFPDNLNALVDAAALYEELTGREHCSPHHTAIRQAL
VCWEELTRLITWMSENTTEEVRRRIIVDHVNNTWGLKVRQTLWFHLSCLTFGQHTVQEFL
VSFGWIRTPAPYRPPNAPILSTLPEHTVI

Fig. 42

A Wild Type HBcAg DNA (SEQ ID NO:57)

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ATGGACATCGACCCCTATAAAGAATTGGAGCTACTGTGGAGTTACTCTGGTTTGCC  
TTCTGACTTCTTCCTTCAGTAGCAGAGATCTCTAGATAACGGCCTCAGCTCTGATATCGG  
AAGCCTAGAGTCTCTGAGCATTGTCACCTCACCATACTGCACACTCAGGCAAGCAATT  
CTTGGCTGGGGGAACTAATGACTCTAGCTACCTGGGTGGGTAAATTGGAGATCC  
AGCATCCAGAGACCTAGTAGTCAGTTATGTCACACTAATATGGGCTAAAGTTCAAGC  
AACTCTTGTGGTTCACATTCTTGTCACTTTGAAAGAGAACCGTTATAGAGTAT  
TTGGTGTCTTGGAGTCTGGATTCGCACTCTCCAGCTTATAGACCAACAAATGCC  
TATCCTATCAACACTCCGGAAACTACTGTTAGACGACGAGGAGGTCCCCCTAGAA  
GAAGAACCTCCCTGCCCTCGCAGCGAAGGTCTCAATGCCCGCTCGCAGAACATCTCAA  
TCTCGGAAATCTCAATGTTGA
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B Wild Type HBcAg (SEQ ID NO:41)

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LCWGEMLMTLATWGVNLEDPSASRDLVSVNTNMGLKFRQLLWFHISCLTFGRETVIEY  
LVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRGRSPRRRTSPRRRSQSPRRRSQ  
SRESQC
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C Truncated HBcAg (SEQ ID NO:58)

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MDIDPYKEFGATVELLSFLPSDFFPSVRDLDDASALYREALSPEHCSPHHTALRQAI  
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